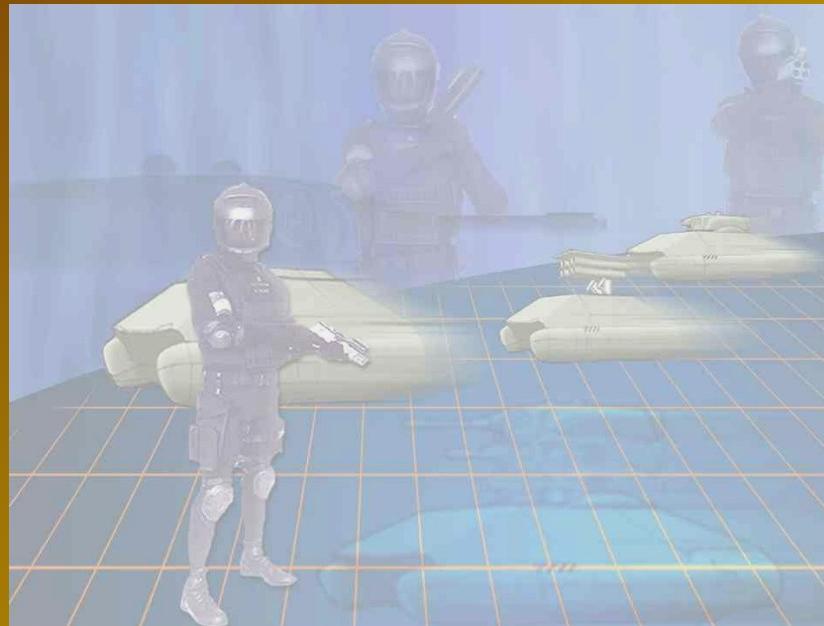


Executive Forum on M&S Briefing

OBJECTIVE FORCE M&S



**Mr. Vernon Bettencourt
Technical Advisor
31 May 01**

Agenda

- **Why the Objective Force?**
- **What is the Objective Force?**
- **Modeling and Simulation Challenges for the Objective Force**

Why the Objective Force?



- Full spectrum
- Symmetrical enhancements
- Asymmetric threat

What is the Objective Force? (1/2)



- Strategically responsive
 - 1 Brigade in 96 hours
 - 1 Division in 120 Hours
 - 5 Divisions in 30 Days
- Full spectrum capable
- Contains situations early

*Strategic Land Response
In A Joint Environment*

What is the Objective Force? (2/2)

The Objective Force is a term that encompasses a complete transformation of the Army.

This includes more than just new combat systems...it includes new :

- Organizational designs
- Warfighting concepts
- Training approaches



The Objective Force:

- Sees with greater clarity
- Maneuvers with lower profile
- Makes every attack deliberate
- And every engagement an ambush

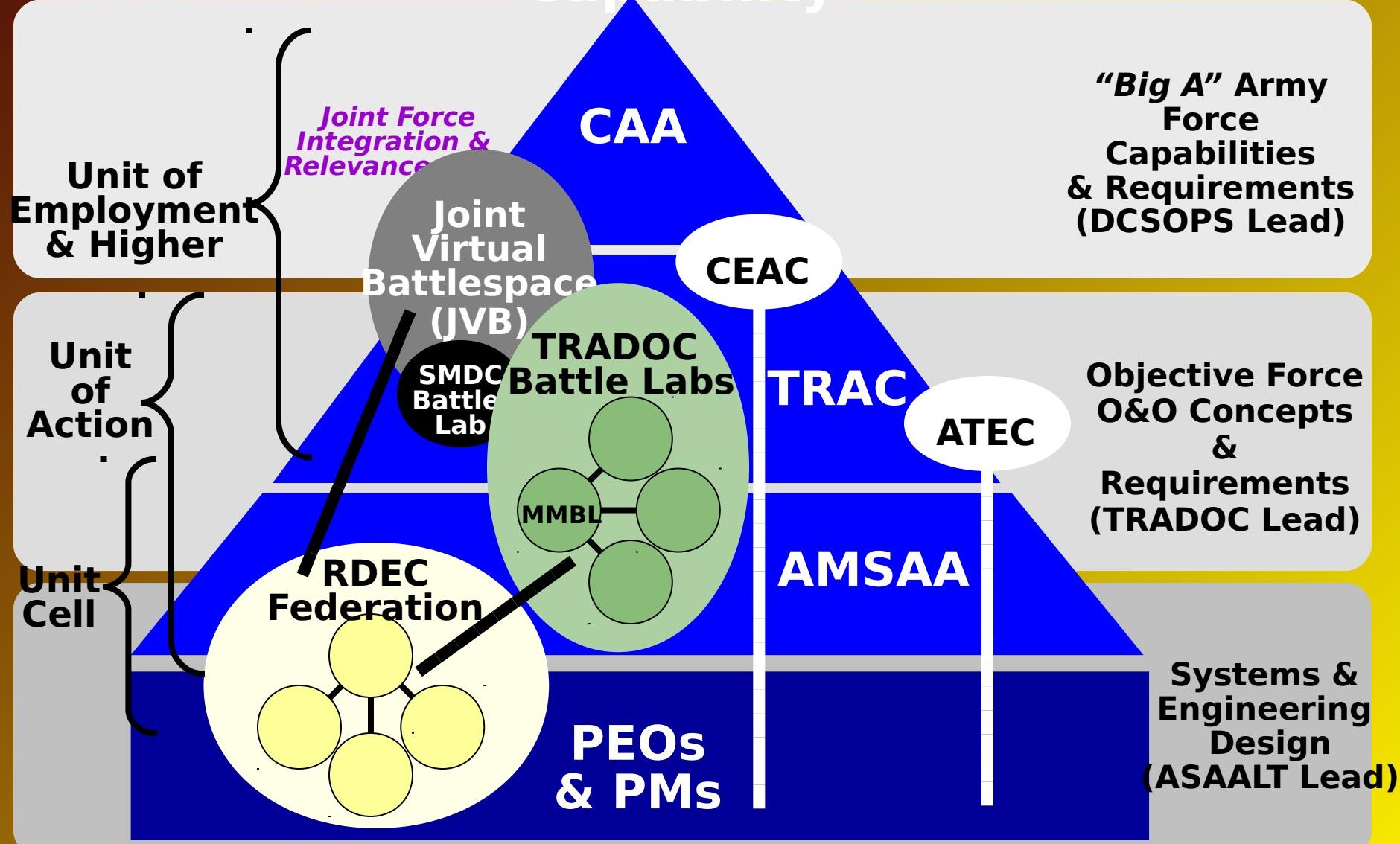


Challenges for the M&S Community

- Simulating the Objective Force O&O Concept
- Modeling Key Functionalities – C4, ISR, MOUT, Human Factors, etc.
- Additional Program Risk Reduction Tools:
 - Expanded Virtual Prototyping
- Logistics Modeling



Objective Force M&S: Initial Core Capability



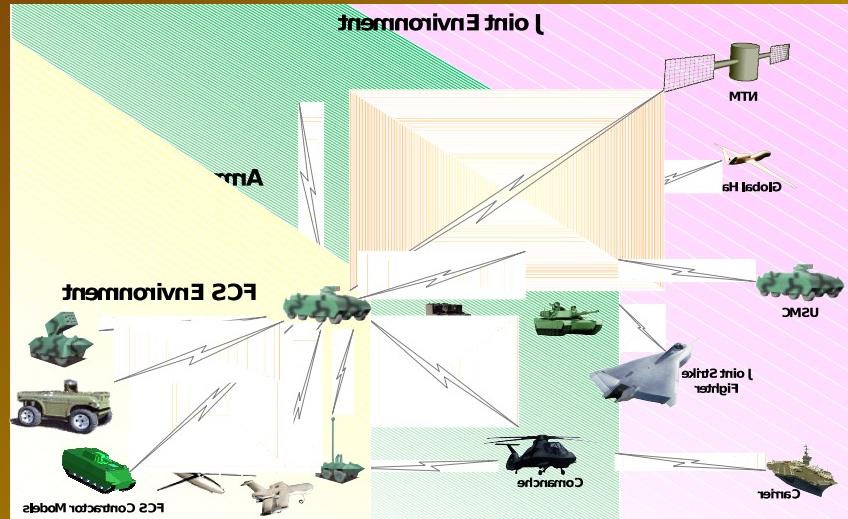
Objective Force M&S: Some Thoughts

Philosophy

Assumptions

- Includes FCS & other vital programs
- No single sim or federation will meet all
- Leverage new simulations
- Additional funding needed
- Credible data necessary

- Evolve M&S as OF concept matures
- Expand initial core M&S capability
- Acquire knowledge early in Key Enabling Areas
- Address Joint integration & relevancy of OF w/
M&S will assure right questions are being asked and answered



Key Tenets

- Focus - Outcome based needs
 - Decisions/Demo's/Exploration
- Strong government control over M&S
- Central planning; decentralized execution
- accountability for integration
- Develop Standards
- Manage knowledge, algorithms, and data
- Phenomenon of modeling the future
- Embrace SMART
- Use M&S to reduce time, cost & risk

Key Enabling Areas

- O&O
- Battle C2
- Sensor fusion
- Effects internetting (LOS/NLOS/Non-lethal)
- Survivability
- Integrated UVs & robots
- Sustainment
- Tactical mobility
- Strategic Deployment

C4ISR

